

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
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ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 1217-062373 (n)known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. PCT/JP2005/001786 INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 09 February 2004 and 12 February 2004 07 February 2005 TITLE OF INVENTION METALLIZED CERAMIC MOLDING, PROCESS FOR PRODUCING THE SAME AND PELTIER DEVICE APPLICANT(S) FOR DO/EO/US Hiroyuki FUKUYAMA et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) 1/ is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. 🗸 is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) 7. 🗸 are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT 10. T Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. 🗸 A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. A substitute specification. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IAP11 Rec'd PGT/PTO 09 AUG 2006

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U.S. APPLICATION NO. (Fknown, see 37 FR 1.5)		() (FR 1.5)	PCT/JP2005/001786		1217-062373	217-062373	
	ms or information:		1 0 1761				
					CALCULATIONS	PTO USE ONLY	
The follow	ing fees have bee	en submitted		\$300	\$ 300.00		
					300.00		
22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 All other situations					\$ 200.00		
3.	h fee (37 CFR 1.4 on of the ISA/US on Indicates all claims R 1.445(a)(2)) ha Inal Searching Autl Ch Report prepare	92(b)) or the Internation or satisfy provision or been paid on the ority d by an ISA othe	al preliminary examination rep ns of PCT Article 33(1)-(4) ne international application to the er than the US and provided to	ort prepared by\$0 the USPTO as an\$100 the Office or\$400	\$ 400.00		
Il other situations	S				\$ 900.00		
sequence	listing in compila	R 1.492(j)). ditional 50 sheet	d in paper over 100 sheets (e. 1.821(c) or (e) or computer p. s of paper or fraction thereof. additional 50 or fraction up to a whole number)	rogram listing in an	_		
		Hiereor (round	1	x \$250	\$ 250.00		
104 - 100 = 4 /50 = X \$250 Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).							
CLAIMS		BER FILED	NUMBER EXTRA	RATE	\$		
Total claims		- 20 =	0	x \$50	\$ 0.00		
		- 3 =	4	x \$200	\$ 800.00		
Independent claims /				+ \$360 E CALCULATIONS	\$ 0.00		
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Applicant cl	aims small entity	1.550.00					
				SUBTUTAL		L	
Processing fee	of \$130.00 for fur	nishing the Englis	sh translation later than 30 mo	nths from the earlies	:t \$ + \$		
claimed priority	date (37 CFR 1.4	= \$ 1,950.00					
Fee for recording	ng the enclosed as	ssignment (37 CI	FR 1.21(h)). The assignment r). \$40.00 per property				
by an appropria	ate cover sneet (3	= \$ 1,990.00					
				FEES ENCLOSED	Amount to be refunded:	\$	
li e					Amount to be		

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b. 🗀	Please charge my Deposit Account NoA duplicate copy of this sheet is enclosed.		to cover the above fees.			
c. 🚺	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0650 A duplicate copy of this sheet is enclosed.					
d. 🔲	Fees are to be charged to a credit card. WARNING : Information on this form may become public. Credit card information should not be included on this form . Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.						
Kent E The W 700 Ko 436 Se Pittsbu Teleph	ALL CORRESPONDENCE TO: Baldauf lebb Law Firm loppers Building leventh Avenue largh, PA 15219-1845 lone: (412) 471-8815 linie: (412) 471-4094	-	SIGNATURE Kent E. Baldauf NAME 25,826 REGISTRATION NUMBER			

10/589092 IAP11 Rec'd POTATIO 09 AUG 2006

PATENT APPLICATION/PCT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:	ATTORNEY'S DOCKET NUMBER					
Hiroyuki FUKUYAMA et al.	1217-062373					
PCT/JP2005/001786						
	G, PROCESS FOR PRODUCING THE SAME FIER DEVICE"					
MAIL STOP PCT Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450 EXPRESS MA	AIL CERTIFICATE					
"Express Mail" Label Number <u>EV9086957</u>	76US					
Date of Deposit August 9, 20	006					
I hereby certify that the following at	tached paper or fee					
 Filing Under 35 U.S.C. 371 (3 pp. – in Application Data Sheet (3 pp.); Declaration and Power of Attorney (3 Recordation Form Cover Sheet and A Preliminary Amendment (10 pp.); Copy of International Publication International Search Report (4 pp.); Specification (97 pp.); Drawings (7 sheets); and Check in the amount of \$1,990.00 	pp.); Assignment (3 pp.); No. WO 2005/075384 A1 Front Page and					
	es Postal Service "Express Mail Post Office to on the date indicated above and is addressed to the Alexandria, VA 22313-1450.					
	A. Walkup son mailing paper or fee)					
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